

SGB USA

- Established as a US Corporation in 2009
- Located in Golden, CO 1500 MVA/year capacity
- USA assembly, packaging, test and service of SGB cast coil transformers
- 15 employees, 2012 sales of \$12 million



• Designs for 2,3,4 and 6 MW turbines, air cooled pad mount and in-tower enclosed

• SGB USA as a supplier to the US wind market has delivered more than 700 transformers.

• Worldwide wind service over 4000 units

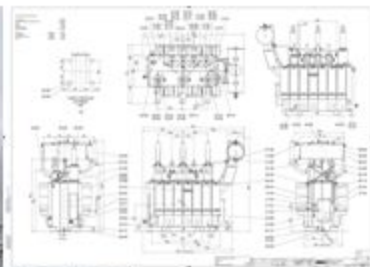


66 MVA/110 MVA 117/35 kV Autotransformer Blattner Energy/Exelon Wind

SGB
SPECIALTY GEARS & BELTS

Partners in Power

SMIT
TRANSFORMERS



In-Tower SAFE Power Product

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Advantages of cast coil air cooled transformers

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Safety first:

- minimal fire risk
- low fire load
- flame resistant
- self-extinguishing

No liquid coolants – no leaks – unrestricted installation possibilities

Low maintenance – long service life

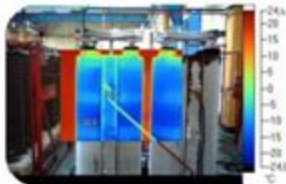
Simply increased performance by fans.

Considerably lower current density in the windings compared to liquid cooled make them capable of short time load peaks without over sizing.

The green solution: no harmful residue, closed loop Manufacturing, 90% recyclable

In-Tower products provide for a smaller site footprint and no need for an external pad.

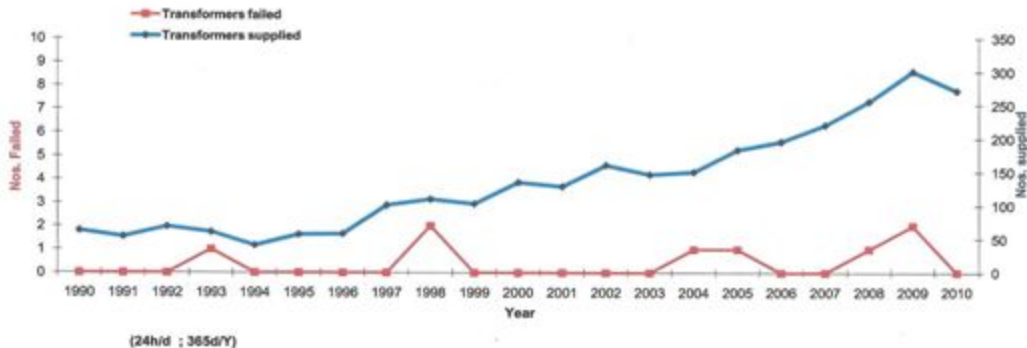
SGB's innovative design leads the industry in reliability.



SGB Reliability

- ANSI standard designs since 1988 installed the United States since 2001 – zero failures

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Σ
Supplied in	63	54	69	61	41	57	56	101	110	103	135	129	161	147	151	184	196	221	256	301	272	2870
Failed in	0	0	0	1	0	0	0	0	2	0	0	0	0	0	1	1	0	0	1	2	0	8
%	0,00	0,00	0,00	1,64	0,00	0,00	0,00	0,00	1,82	0,00	0,00	0,00	0,00	0,00	0,66	0,54	0,00	0,00	0,39	0,66	0,00	0,279



MTBF (Mean Time Between Failure) 1990 - 2010

12.446.845,0 h = 1420 Years
(24h/d ; 365d/Y)